

Surveying the TeV Sky

The deepest, wide field of view survey of the TeV sky has been performed with the Milagro observatory, probing the origin of Galactic cosmic rays through discovery of new Galactic gamma-ray sources, diffuse Galactic gamma-ray emission, and unexpected localized regions of hadronic cosmic rays. Milagro was located at LANL and was operated from 2000-2008. A next-generation version of this wide field of view, high duty cycle, water Cherenkov observatory is called HAWC. HAWC will be located near Puebla, Mexico at an elevation of 13,500' and will have 15 times the sensitivity of Milagro. I will discuss results from Milagro and the expected contributions of HAWC.

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